AMERICAN FARMER.

Rural Economy, internal improvements, prices current.

" O fortunatos nimium sua si bona norint " Agricolas." . . VIRG.

Vol. II.

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BALTIMORE, FRIDAY, APRIL 21, 1820.

NUM. 4.

AGRICULTURE.

TRANSACTIONS OF THE

Agricultural Society

OF NEW CASTLE COUNTY, IN DELAWARE.

S. H. BLACK'S MEMOIR.

[Continued from Vol. II, page 18.]

As soon as our experimenter has collected his corn and potatoes in the fall, he cuts off carefully the stocks, which he removes to his yard as a future source of manure. The following spring, after having put out all his winter manure, he sows oats two bushels to the acre; and at harvest, has, say two hundred and thirty bushels. At the first of October, he having in August broke up his oats stubble, ploughs again his ground, after laying out his summer manure, and sows one and a half bushels of wheat to each acre; and the following March red els of wheat to each acre; and the following march tent clover and timothy seed, in the proportion of three of the former, to one of the latter. And at harvest, if the season would have allowed him by his former mode of Admit for extra seed and labour 1-6; }

97 00

nett surplus without lime, admitting the same quantity of manure, fifty bushels of wheat, he now has certainly one hundred and ten bushels. Immediately after harvest, he sows equally over his young grass ten bushels of ground gypsum* and keeps all stocks carefully from treading

the practice of sprinkling the substance on the tops, or resume, however, the subject. leaves of vegetables, seems to have been founded on this

plants. If so, it must produce its effects as a manure, and when thrown on the leaves in this case, it cannot neighbourhood of rivers or the ocean has been consi-

on it until the following spring, when choosing a pro-per time, he coats again with a similar quantity of plast tempt succeeded, even beyond his most sanguine

his ability to pay it, from his surplus.

Clear	gain on,	Corn crop	30	ь.	at	75	1
		Potatoes	500			40	
		Oats	80			50	
		Wheat	60			200	1
	Hay	Hay	10 tons		20 00		2
							-

Contra. Principal due for lime Interest for four years	\$2 00 00 48 00
A Bridge Control	248 00

There exists great diversity of opinion amongst farmers with respect to the modus operandi of the substance. That, in some situations it powerfully promotes cultivation here mentioned, aided by a single coat of fifteen the ground all dispute; but whether this is effected by the gypsum being taken up as a food for plants; whether it acts as a mere attractor of atmospheric moiswhether it acts as a mere attractor of atmospheric moiswhether by its stimulating properties, is yet in volved in much doubt, and uncertainty.

The first opinion which gained pretty general credit by attracting moisture from the surrounding air, and willing to risque a corroberation of my statements. To the practice of sprinkling the substance on the tops, or resume, however, the subject.

opinion.

quires, however, further time and more experiments to
It has been said, however, by some late analysis of settle completely this question. And that it should be completely understood, is of no little importance to agricultulation of this substance, that it was found within the rists.

Admit for extra expenses and

plants. If so, it must produce its effects as a manure, and when thrown on the leaves in this case, it cannot neighbourhood of rivers or the ocean has been consistent with it has found its way to the surrounding earth, and been taken up by the absorbents of the plants.

By some recent experiments which I myself have not a simple substance. It is a combination of sulphumade, and which are strongly corroborated by similar rice acid, and lime, or a sulphate of lime; and before it trials made by an honourable and ingenious member of can produce any good effect upon plants, it must meet this society, Mr. Gray, and lately mentioned to me, it with some property in the soil to which it is applied to which it is applied to which it is exist in soils. As, for it is applied to receive the grown produces its effects; and that its intech beta shi; 2, airtrate of Soda; 3, muriate of Soda; or common thrown carefully over the land prepared for Indian corn. With many of these substances, properties are disengative for its effects and which wheat, and which was the fourth crop from the restriction of gypsum, it produced its full power. (1) The growth of the grass in this instance was much more turning that the wheat, and which was the fourth crop from the restriction of gypsum, it produced its full power. (1) The growth of the grass in this instance was much more turning that the soil of the gypsum forming of farmers, and practice of the neighbourhood, than expension of gypsum, it produced its full power. (1) The growth of the grass in this instance was much more harmony as as a top dressing. Several experiments of plants, it must be obvious, that the plaster of Paris of oats. An acre of first or even second-rate soil will of a similar nature, were followed by lik

ter of Paris, and in the course of this summer takes off hopes; becomes more bold in his efforts. He abanten tons of hay; and as he has but the one lot, and dons at once, all his old prejudices, and reaches eadesigns to progress with his course of improvements, erly after the golden prize, which he now views as without interruption, he pastures his ground until No-certainly within his grasp. He returns to his friend, and obtains a new loan of four hundred dollars, for the The debt contracted for lime, is now however, due; same period, and on the same terms as before. He and after deducting his usual crops, we will examine purchases one thousand bushels of lime, lays it on his clover sod in the fall, and breaks the whole up eight sinches deep; the following spring he flushes his \$22 50 ground again the same depth, harrows flat, and crosses 200 00 out as formerly, with this difference only, that from 40 00 a great increase of straw, stalks, and hay, he finds 120 00 himself now in possession of manure sufficient to fill 200 00 his corn, as well as his potato rows; this he does, and narrows the distance between his grains of corn to nine \$582 50 inches. In other respects he tills his ground as before, and in the fall receives corn two hundred and eighty,

and potatoes seven hundred and fifty bushels. All potato stalks, corn stalks, &c. he carefully removes to his barn yard, which together with his usual manure, enables him the next season to cover his ground with this substance; he sows his oats at the rate of two and a half bushels to the acre; and at harvest pretty certainly cuts three hundred and fifty 345 00 bushels.* He sows his wheat two bushels of seed per acre, after having added all summer manure; and the 8237 50 following spring grass seed, as before; and is additionally enabled to give the whole a good top dressing with his winter manure. His wheat crop this year

4 769 00 Interest 4 years, Admit for extra expenses and labour \$ 90 00

gradations to the utmost point of all his hopes. Heithat It is impossible I should be correct—descend only to There should not, however, be less than one sixth of the arable land constantly kept in grass for the scythe. Ime—the vegetation upon it is luxuriant: from his life the said, that I have rated our land, as it general-Grass is, in fact, one of the most essential, and invastalks, straw and hay he is enabled by judicious mally stands, too low, I have a cloud of witnesses ready to luable articles, whether considered in relation to comnagement to make large quantities of prime manure; attest the contrary. If it be thought that land can-fort or economy, with which the farmer has any conthis he uses to the best advantage. He runs his plough not be made to yield what we have assumed as the cern. And either in a system of improvement, or for

Corn,	220	b. at	00	75	\$165	0
Potatoes,	250		00	40	100	0
Oats,	250		00	50	125	Ū
Wheat,	160		2	00	320	0
Hay,	5	tons	20	00	100	0

Contra. Admit for extra labour, &c. one?

Nett grain from former crops

Our experimenter has then, in a period of twelve will be \$720.00; from our experiments we had the crop.

Years, gained nearly one hundred dollars on each acre sum of \$723.50 remaining, which being made applicable to this allowance, leaves us still able to show that a generally received opinion, double that sum by its improvement. And what is vastly more important, he has gotten a first rate soil, which will anomally the sum of \$723.50 remaining, which being made applicable to this allowance, leaves us still able to show that a proper soil for lime; if it was possible, indeed it is to be wished, that no one desirous of improving his land, sout expense.

A farm best calculated for each improvement. And what is vastly more important, he has gotten a first rate soil, which will anomally the future will be \$720.00; from our experiments we had the crop.

I have heretofore said nothing in relation to the most of this allowance, leaves us still able to show that a proper soil for lime; if it was possible, indeed it is to be wished, that no one desirous of improving his land, south expense.

A farm best calculated for each acre is the farm of six separate lots or fields may be improved with the sum jure them as to destroy, at least partially, the future crop.

I have heretofore said nothing in relation to the most of the sum jure them as to destroy, at least partially, the future crop.

this he uses to the best advantage. He runs his plough not be made to yield what we have assumed as the during the four following years, at the breaking up-of maximum crops, proof positive, that much more may the maintenance of the soil after it has been improved his ground previous to the reception of each crop, be obtained, can easily be had. If the value of labour to the utmost, it will be found absolutely indispensive welve inches deep; the roots of his grain and grass allowed, or the market price of produce mentioned, be. And it is equally certain that in order to derive are thereby enabled to extend themselves freely: too be objected to, I allow each one to regulate these as the greatest possible benefit from hay, it should be much, or too little rain does him no considerable injury. He pleases: if he be reasonable, we shall not made a fed in the farmer's barn-yard, and returned again at the flushes his ground in the fall, and the grub disapterially differ in the result; and if he be unreasonable proper periods in the shape of compost, to the soil, pears, or if any remain, or chance to cut off a stalk of ble, I do not wish his attention. I have before dectar—The grass of ten acres of first rate soil, will, I imahis young corn, the depth, and strength of his soil throwsed that actual experiments, information indubitably gine, when properly fed to live stock, nett more on it up again immediately. If Hessian fly should cut part correct, and careful observation, confirmed me in the sale of that stock, than the hay would have done, of his wheat, a new growth still produces an abundant opinion that poor land may, by the process and means if sold in the market at twenty dollars the ton. And crop. The insect producing stunt, has been destroyed before-mentioned in part, and partly yet to be detail-the manure, an article, doubtless, of the first imporof his wheat, a new growth still produces an abundant opinion that poor land may, by the process and means if sold in the market at twenty dollars the ton. And crop. The insect producing stunt, has been destroyed before-mentioned in part, and partly yet to be detail-the manure, an article, doubtless, of the first importance to the farmer, will be retained upon his land. The quantity of live stock, should, however, at no less than a nett gain from his last course:

Corn, 220 b. at 00 75 \$165 00 to our system which may have arisen in the time be greater than may be found barely sufficient, when kept on full allowance, to consume the produces, 250 - 00 40 100 00 to our system which may have arisen in the time be greater than may be found barely sufficient, when kept on full allowance, to consume the produce properly set apart for their use. This remark is equally warranted by economy, and by human-Oats, 250 - 00 50 125 00 ple taken, we had but a single lot of land, and that allique.

When we come to apply our principles to a strictly in its proper place. I arable. When we come to apply our principles to a Although, perhaps, not strictly in its proper place, I farm, in all its varieties, there will necessarily be some will yet here venture to observe, that whenever it is dedifference. Whereas, in the instance taken, we had a signed by the farmer to cut grass from any of his fields 3)\$810 00 regular routine of crops; one only in a year.—There the succeeding year, such fields should be as carefully would, on a full farm, be the whole of this course in one kept up from the range of cattle, as if they contained season. And the necessity in that case of having two wheat, corn, or any other species of grain. For, indeseason and the necessity in that case of having two wheat, corn, or any other species of grain. For, indeseason are the land for pasture annually, would make, (except the worth of the pasture) a deduction of one third when cropt close in the fall, and thus left exposed to the clear profits. The whole of the nett profits of the the frosts of winter, the feet of beasts, which are known three crops on the ten acres of land mentioned in our to be sharp, and their weight considerable, penetrate example given, added together, makes the aggregate the surface of the soil, more especially in moist weasure \$2161.00. If from this we deduct a one third ther, and reaching the tender roots of the grass, so inpart, and allow nothing for pasture grounds, the sum jure them as to destroy, at least partially, the future

of his land; instead of having expended, as is the generally received opinion, double that sum by its improvement. And what is vastly more important, he has gotten a first rate soil, which will annually thence-forward, as long as he pleases, yield him clear of all cost, the nett interest of five hundred dollars per for the least active labour, is one consisting of about expense.

1 know that public sentiment, or private opinion one field set apart for the culture of corn and potatoes may, and reasoning a priori, probably will condemn my whole system, and deny the correctness of my Maryland, owned and tilled by Adam Whann, Esquire, and which has been in wheat four successive years, and which has been in wheat four successive years, and which it has been and by gentlemen of unquestional above, and some a little below that quantity. This chowled yearly. Some seasons the product has been above, and some a little below that quantity. This closure, the fifth year, without interruption, or change of crop, lot is now (1st of May 1819.) in wheat, I believe, for left is now (1st of May 1819.) in wheat, I believe, for efficiently acquainted with the subject, looks better than it has ever done.

The wheat from this lot, has generally been above and sandard weight, and has heretofore been taken of the fifth year, without interruption, or change of crop, stances adopted; of mowing the whole ground or stances are known to thirty much be the standard weight, and has heretofore been taken of the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, for the fifth year, without interruption, or change of crop, f

the standard weight, and has nerectore over taking off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the market at from 2 to off when that grain has sold in the grain has sol

Productive, and as durably so, as any other soil what-vegetables, however, which more especially chain-would be about at the rate of one hundred and sixty-the-cert.

An rich soils every where the same. This point once fairly attained, and the yellow, or white and disapple the same is the soil of the soil in the soil of the soil and the soil

mend the practice of deep ploughings. My reasons for whis, I will now attempt, as briefly as possible, to explain.

It seems an invariable law of nature, applied to every order, genera, and species of trees, shrubs, and plants, comprising the vegetable kingdom, that they be a successful to the correct, it will follow, that to obtain the greatest possible quantity of land.

If our reasoning thus far, in relation to a deep soil, the correct, it will follow, that to obtain the greatest possible quantity of land, the soil should be as deep as the object of this essay. It is sufficient that we know means of roots, with which each has, in proportion to taking the plentifully supplied. Such as have been scattered over the face of the earth by the hand of matter, and designed to grow spontaneously, are found, for the most part, to be furnished with these roots, so strong and vigorous as to penetrate the hardest of so strong and vigorous as to penetrate the hardest each acre, it will I think, be found on trial, that if of the formation of the American continent: and every natural obstruction, for and wide view inches. And admitting the same quality in other cases.

(If our reasoning thus far, in relation to a deep soil, the correct, it will follow, that to obtain the greatest probable with any other possible with

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No. IV. OF A SERIES OF

Agricultural Essays,

rican Farmer.

I can have, that when I am no more, the la-vastation not exceeded by any previous years. bour of upwards of thirty years improvement, What proportion of the general improvement other manure? will not be spent in vain; after contending is attributable to plaster, I am unable to say;

Ans. On land, where there is a consideraagainst a host of prejudices, at a time when but on a considerable part, its apparent effects ble quantity of weeds, a bushel of plaster per
there was no precedent to aid or direct me in have been moderate, but on part, it has opera my course in this part of the state, being my-ted by a magic, almost incredible, so that the ately before ploughing them in, will produce a self a complete noviciate, but actuated by an part where the plaster has had its most beneficial effects, though unaided by manure, and derably benefit the ground; also where ground exhausted state of the lands in this county, cleared upwards of forty years ago, is now by its manured, the same quantity of plaster, sown with a comparative view of them in Europe, defar the richest part of the farm, producing upon the manure immediately after spreading, and termined me to attempt improvements, not only wards of ten barrels of corn per acre, and more speedy decay of the weeds, and considerably benefit the ground; also where ground is manured, the same quantity of plaster, sown on the manure immediately after spreading, and termined me to attempt improvements, not only wards of ten barrels of corn per acre, and more of the manure. of the land, but also of the manner of cultivating than twenty bushels of wheat, when not injured of the manure. crops, and I hope my exertions have not been by the fly and following a corn crop. altogether unprofitable to society as well as For the last four or five years, the plaster has to myself. Experience of the world has long not had the least visible effect, though annual satisfied me, that to offer information or advice by used in a variety of ways, which I attribute to the same field every fourth year, as the field came in the same statisfied is an unthankful office that when see the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to society as well as the field came in the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to contract the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to society as well as the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to society as well as the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to society as well as the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to society as well as the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to society as well as the same statisfied me, that to offer information or advice by used in a variety of ways, which I attribute to society as the same statisfied me. unasked, is an unthankful office: but when so-to the soil, being saturated with it. This idea course into cultivation; sometimes I have sown

thirty years since I settled on this farm, about from me-hence I conclude with my best wish-beneficially applied, and in what is it best ap-45 miles from Petersburg, and 4 south of Apa-es for the welfare of your society, and that plied to them? mattox river; this small poor tract of land, con-whatever benefit my small acquirements may tains about 340 acres, and when I settled on it, be able to render, is at their service whenever water, and then rolling them in plaster, immethere was about one half cleared, worn out, and required. having more and deeper guilies than any tract of its size in the county. The soil in its original state, was a thin grey soil, its growth pine, oak and hickory, very much inclined to be spungy; the substratum, a hard, tough, tenacious and barren yellow and red clay; it is extremely variegated, there being almost every Ans. Upwards of sixteen years, the two first this water grown cold by time, is poured kind of soil on the tract and not one square years partially in trying experiments, about 12 off, and some more warm water poured years 240 acres cleared, in four fields. The only partially; in the whole time, I have used for the corn to become of the temperature course of crops, corn, wheat and clover two upwards of sixty tons, on 240 acres of land.

years. Each field contains sixty acres, but in 2d. What state was your land in, when you ready some tar, heated in a pot with a little water, a bottle or two quarts of tar is sufficient the clover, one fourth part of the land is laid Ans As poor and exhausted as any in the for a barrel of corn; you now pour off your off into four fifteen acre lots, which are grazed neighbourhood? by the stock, and the balance put under a ring 3d, On what soil does the plaster succeed to soak more corn in; put the corn in a large fence, without dividing fences; no more clover best? is cut annually than is necessary to soil my Ans. On a coarse springy black jack land, stir it about; pour on your tar and stir the corn work horses through the summer (as they are where there is a considerable mixture of white till every grain is coated with it, which will be kept in the stable the whole year) and make coarse grit, with a little black mould, usually done with great ease and expedition, then you seed to season the fields, the balance lays and denominated here hominy land; on this kind of put half as much plaster as corn, and mix it up rots on the land; the lots have the same course land the crops will usually grow off quick, and well together—if it is to dry, that is if all the of crops as the fields, but are grazed by the as the heat of summer advances, burn up, turn plaster is not moistened, add a little water,

Communicated by Geo. W. Jeffreys, Esq. of tem. The average produce of the land for the has become by far the richest land I have, North Carolina, for publication in the Ame-first years of cultivation was three bushels of yielding, generally ten barrels of corn per acre, Amelia County, Va. Ang. 16th, 1818.

Dear Sir,—I received your favour, dated the 28th ult. and am very much pleased to observe the rising and extending spirit of imposes a constant of the spirit of imposes a constant of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the six business of indian corn and the strength of the streng observe the rising and extending spirit of im-five years the Hessian fly has been so destruc-nerally used? provements in agriculture, as is now evinced time, that I have not made more than one third Ans. Upwards of two bushels or nearly three by your and various other societies, lately esta-of a crop of wheat each year, and this spring, in the 12 years in which I used it liberally. blished, which I view as the very best security their destructive havoc appears to promise a de-I can have, that when I am no more, the la-vastation not exceeded by any previous years.

I am with all respect, Yours, respectfully, WM. MERIWETHER.

G. W. Jeffreys, Esq.

1st. How long have you used the plaster?

acre exactly the same. I have had for several years very liberally, and for the last 3 years on the soaked corn; let it lay long enough

stock, and though they have double the quanti-yellow, and yield generally very light corps on ty of manure put on them, as the fields have, this kind of land. The effect of the plaster yet they do not improve as fast; a fact strongly has been beyond credibility, unaided by any illustrative of the benefit of the enclosing sys-other manure than its own growth of clover, it wheat per acre, and six bushels of Indian corn and twenty bushels of wheat (when not des-

6th. Have you repeated the application of it?

unasked, is an unthankful office: but when solicited there is strong reason to believe, that it is corroborated by Sir Humphry Davy, in his a bushel of plaster per acre, over the ground, where I applied manure, or where there was a stances I have always been happy to have it in serves that the soil of Great Britain generally, where I applied manure, or where there was a serves that the soil of Great Britain generally, where I applied manure, or where there was a serves that the soil of Great Britain generally, where I applied manure, or where there was a serves that the soil of Great Britain generally, where I applied manure, or where there was a considerable crop of clover or weeds, at the soil is unfavourable to plasters, and on analysing it, he found a quantity of plaster in it, and consultation is unfavourable to plaster in it, and consultation is unfavoura

water, and then rolling them in plaster, immediately before planting or sowing them. My manner of planting Indian corn is, by preparing it as follows, before planting, viz; as much as you can plant in two or three days, soak for two days in water made as warm as you can bear your hand in, without inconvenience; shallow tub or trough, so as you can come at it to er

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if exposed, it will dry very fast. This mode seasons. of preparing the corn prevents it from rotting and in a great measure the depredation of birds and insects. I have just now finished replanting my corn, and my overseer informs me he bours complain very much of their corn rotting;

singular effect, which was visible as far as the perusing it, think of it as I do. tobacco could be seen; in the unplastered rows, there was a great deal of thin yellow tobacco, 30, 40, to 100 and upwards of plants in a row John S. Skinner, Esquire. quite yellow, while the plastered rows were dark green, thick and larger tobacco than the unplastered, and there could not be found one rows. Irish potatoes is the only succulent crop I have found benefited by rolling the seed mised, on the subject of burning mud and shells, as in plaster, at the time of planting. With repractised in this neighbourhood. With the expectation spect to the leguminous crops, the corn field that it may prove useful to yourself and the agricultural found in a marsh, such as tussucks, elders, &c. Also and the garden pea, is very much benefited interests, in your quarter, and rolling them and rolling them in plaster, at by wetting them and rolling them in plaster, at the time of planting?

9th. To what kind of grasses can it be benefi- To General John Mason. cially applied? and in what way is it best ap-

plied to them?

ver up what they are not immediately using, for crop, though tried in a variety of ways and cluded.

FOR THE AMERICAN FARMER.

AS A MANURE.

the taring the corn, will make it somewhat later in coming up, for which proper allowance must be made in time of replanting.

8th. Have you found it beneficial to tobacco and what way was it applied? Does it benefit succulent and leguminous crops?

Ans. I have not cultivated tobacco more than three times in thirty, and but once with the 12 years being alluded to, I cultivated a manured from Mr. Warner, a highly respectable farmer, in the lot in tobacco, and at the time the tobaclot in tobacco, and at the time the tobac-vicinity of Wilmington. Believing it of importance, cowas first trimmed out, about a table spoonful of that it should be generally known, and that neither of these gentlemen will have any objection to their makes being used in its publication; I take pleasure in tobacco in every other row; it produced a very sending you the paper for that purpose, should you on It is proper to state that wood is only necessary at with much regard,
Very truly yours,
JOHN MASON.

WILMINGTON, March 16th, 1820.

C. A. RODNEY.

Wilmington, February 1st, 1820.

than the other, it is necessary to dress that side the I have in no instance seen any benefit from heaviest. I use no flues to give air, being satisfied C. A. Rodney, Esquire.

then carry it in the field, and plant it deep; co-the immediate application of plaster to the wheat that the mud burns much better when the air is ex-

In the year 1816, I burned six or seven hundred art-loads; a part of this was done in small heaps on a piece of high marsh overrun with elders; the marsh was ploughed about four inches deep, and the surface burned and spread over the same ground. From this experiment I derived little or no benefit, and I am ing my corn, and my overseer informs me he ox THE USE OF therefore induced to believe that paring and burning has not seen any rotten corn, whilst my neigh-OYSTER SHELLS BURNT WITH MARSH MUD, are injurious, even when the whole quantity of ashes s spread over the same ground.

It is proper to state that wood is only necessary at the commencement of the operation, which requires great care and judgment. When it is once on fire thoroughly, the mud will prove sufficiently combustible

to keep the fire alive.

The proper season for burning may be assigned from the first of May until the middle of September, taking care to select a dry time to commence with the heap; after it is fairly in operation, I conceive some yellow plant in the whole lot in the plastered Mr DBAR SIR,—I now communicate, in the inclosed rain to be beneficial, as it has a tendency to confine the

> tion makes a strong fire, when once commenced: al-though I have never tried this species of earth myself, yet in travelling last summer about fifteen miles from this place, I saw a heap containing about one hundred loads of handsome ashes burned from stiff blue clay.

cially applied? and in what way is it best applied to them?

Milmington, Pebruary 14, 1820.

Dana Sta,—In compliance with your request, I compliance she burned from stiff blue clay. This was burned upon Cobbett's plan; and in the same sow the last of February or first of March; about the middle of April I give a dressing of plaster, at the rate of one bushel per acre, and no more tat any subsequent time, though it would be benefited by an annual dressing. I have no meadow, though I have a variety of grasses on the farm. I am opposed to meadows unless on tide water, the reason for which I at present must defer, and confine myself to the queries.

10th & last. What has been the increased the member of grain and grass crops, from plaster alone.

Ans. This is rather a difficult question to solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to this sense, the component of the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense in which it is taken, when confined to plaster alone, it must mean the solve, according to the sense, when you are satisfied that it soud to produce it at all, has by one that would not produce it at all, has by one the

To these very perspicuous and interesting remarks, names?we should have been glad to have added an account, such information communicated under whatever re-summer, measure off an acre of turnips, pumpon file of "Experiments on the efficacy of Burnt serve. CLAY AS MANUER, by the Rev'd Edmund Cartwright, Without live stock, how can farmers at a distance D. D." of England, for which he obtained the gold from towns raise manure?—how can land be immedal. The subject is one of manifest importance, be-proved without manure?—how can stock be passed lative value in feeding and fattening; an account cause if clay reduced to ashes be thereby converted into through the winter, in good heart, so as to fatten well of the result shall be given you, and should be manure; it is a resource within the reach of every far and early in the next year, without the nutriment and glad if some of your agricultural subscribers mer. The narrative of Experiments above-mentioned, the medicine of root crops?—hence it is that we so will be given in our next; in the mean time, we offergladly publish all that is worthy of record, concerning our sincere thanks to all the gentlemen, by whose potential the preceding southern subscribers shall not plead ignorance of what letters to our subscribers. The burning of shells with may and ought to be done—and how to do it.

My reason for sowing the 25th or 30th July, is, that should my crop receive any injury from letters to our subscribers. The burning of shells with may and ought to be done—and how to do it. marsh mud, is new to us at least; and there may be some peculiar virtue in the combination. See the

following remarks, which reached us some weeks since,

from an unknown hand; by the by it is surprising, that

in matters of the plough, which enjoin plain language,

and have no connexion with sects or parties; men should

cal habitation and a name."

which served to establish his views, and supposition of its manner of acting, so clearly, I think it a duty to combine as manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting, so clearly, I think it a duty to combine as a manner of acting as a manner of acti municate it; whether it has a claim to a column in the quantity of the Norfolk turnip. As soon as my the turnip holes, and this was but five or six Farmer or not, you are entirely at liberty to determine. corn is planted, which is generally by the first times during the winter. The turnips were Farmer or not, you are entirely at liberty to determine corn is planted, which is generally by the first of May, I plough deep the land intended for speedily acts as a fertilizing agent, when so managed as turnips; about two weeks after, I harrow it to become soluble, and of course that whatever tends to prevent its cohesion, must be useful. In the result of prevent its cohesion, must be useful. In the result of first of June I plough again across the former the following experiment, Mr. "S's," opinion seems first of June I plough again across the former There is, however, no more convenient or not only established beyond a doubt; but an agent is furrows—the middle of June harrow twice, and better shelter for them, than a slight fodder not only established beyond a doubt; but an agent is furrows—the middle of June harrow twice, and discovered, which produces the desired effect. My brother, in May, 1819, drew out about six bushels of ashes, which had become considerably mixed with shell lime, and not being acquainted with the use of lime, was disposed to be on the safe side, and divided a common spadeful equally with 3 hills, (the mixture being under; and one stroke with the harrow given entirely dry.) which embraced perhaps 500 hills near the centre of his field. The land on which he applied it, was old, sandy, and exhausted; from its situation precluding the possibility of any better culture, it stood no better chance, on that ground. In the course of 30 or 4 weeks, he found the corn in every one of those the reasonable. The ground is then hills, as good again as the adjacent corn, at which time he communicated it to me. I requested him to notice it throughout, and inform me how it turned out; he did so, and informmed me it was as good again when gathered I viewed this as worth noticing then, as so small a quantity should produce so great an effect, though inclined to think the same quantity of either, would do as well. to think the same quantity of either, would do as well so often failing: as the turnip must have con-in appearance than those fed on dry food exclu-

Respectfully yours,

W. R.

and uses of Turnips, by our valuable, but unknown as well as the ashes, should be sowed in the scribers.

and uses of Turnips, by our valuable, but unknown as well as the ashes, should be sowed in the scribers.

should such writers, we repeat, high as they must stand as practical Husbandmen, withhold the weight of their that means it adheres better to the leaf, and pre-

-It befits us, however, to be thankful for vents the depredations of the fly.

Editor Amer. Farmer

FOR THE AMERICAN FARMER.

March 30th, 1820.

be so squeamish about giving to what they write, a " lo-MR. SKINNER-

Edit. Am. Far.

SIR—According to my promise, I now give you the mode in which I cultivate Turnips.

The kind cultivated, is the Norfolk white field prefer wheat Regulation, Queen-Anne County, Md. March 19th, 1320. turnip, having succeeded much better with it I have wint Ma. Skinner,—While perusing a communication of than the Ruta Baga; and from the experience hogs, and found them thrive well; and in the to think the same quantity of either, would do as well, so often failing: as the turnip must have confluing the same quantity of either, would do as well, so often failing: as the turnip must have confluing the same quantity of either, would do as well, so often failing: as the turnip must have confluing the same quantity of either, would do as well, so often failing: as the turnip must have confluing the same quantity of either, would do as well, so often failing: as the turnip must have confluing the same quantity of either, would do as well, so often failing: as the turnip must have confluing the same quantity of either, would on the same quantity of either, would do as well, so often failing: as the turnip must have confluing as the turnip must have confluing the first than those fed on dry food exclusively.

Turnips give an unpleasant taste to both with the ground; whereas, by ploughing in the manure about three weeks before sowing, it gets with the ground; whereas, by ploughing in the manure about three weeks before sowing, it gets with the ground; whereas, by ploughing in the manure about three weeks before sowing, it gets with the ground; whereas, by ploughing in the milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to with the ground; whereas, by ploughing in the milk and butter, if fed in too large quantities to sively.

Turnips give an unpleasant taste to both milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to sively.

Turnips give an unpleasant taste to both milk and butter, if fed in too large quantities to milk and butter, if fed in too large quantities to sively.

Turnips give an unpleasant taste t rough leaf.

As soon as I find the seed sprouting, I sow by hand over it, from four to five bushels per acre of bleached ashes; and as soon as the P. S .- I have often heard my friends in Bal-On the Cultivation of Turnips. leaves appear, two bushels per acre of plaster timore, regret that Cream Cheeses, such as are and have never failed in the above mode, of brought to the Philadelphia market, are seldom, We attach so much importance to an increased attention to the cultivation of root crops—that we here too thick, they are quickly thinned with a hoe receipt for them, which you can insert in your give with pleasure, an interesting account of the culture to about 10 or 12 inches apart. The plaster, paper, if you think it will serve any of your sub-

kins and corn; and feed the produce to the same

harrow again; there being still sufficient time, having made fine crops sowed, as late as the 16th of August. My turnip ground is always put in wheat, and from which I have invariably made a fine crop. The common opinion that wheat will not grow after turnips, is very erroneous-to those, however, who do not wish to

I have wintered upon turnips, upwards of fifty

tural Essays.

An Agriculturist of Delaware.

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cloth and put the curd into a vat the circumfe-the first experiment. rence of a common plate, and press it moderately 6 or 8 hours, when it must be taken out, turned and split in two with a thread; lay the cloth between them, and again put them in press, for twelve or fourteen hours-if then pressed enough, which can be ascertained by their firmness-keep them in fresh grass a few days, turning them morning and evening.

On the Choice of Seed Corn.

GEORGE W. JEFFREYS.

Cory of a Letter from Col. Taylor to George W. Letters.

Dan Sir,—Enclosed are some grains of the pulp; the species seemed to be deficient in the pulp; the species of comparities of the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp in the pulp is the pulp in the pulp is the pulp in the

tained, that the gourd seed is lighter than other corn, the objection holds at all events to the extent, that the corn crop is consumed by the farmer himself.—In that case, he should set off deficiency of weight of this corn, against the greater yield of others, and make his selection accordingly. Mathematicians say, that the honey-comb is so divided as to hold more than can be contained in an equal number of divisions in any other

I am respectfully, Sir, Your most ob't serv't, JOHN TAYLOR.

FOR THE AMERICAN FARMER.

Cedar Park, April 14, 1820.

MR. SKINNER,

On examining the few large pumpkin seed that remained after supplying several appli-Copy of A Letter from Col. Taylor to cants, almost the whole appeared to be defective

JOHN F. MERCER.

* All since disposed of.

Occasional Extract.

TO MAKE CREAM CHEESE. yellowish complexion, and the facility with which directs the mode of burning, yet he does not in-For two cream cheeses, take six quarts of new it is gotten off the cob, are also recommenda- form you how long it should be burnt, with a milk and one of sweet cream, to which add two tions, and its large size increases its supply of attrong active fire, nor what the consistence is or three spoons full of rennet, and let it stand vegetable food and litter. If you should incline when the burning is finished; I am afraid I until sufficiently firm—spread a linen cloth in a to try it, you will recollect that it should be may burn it too much or too little, and to avoid large basin of cold water, lay the curd gently planted as distant from other corn as possible, either difficulty, you will confer a singular faon it, tie the cloth, and hang it up to drain for 4 and that to obtain the most perfect sample, fine vour on me, by giving me such information as or 5 hours, in a cool place; then change the land and thin planting, would be adviseable in you may possess on these points. It will be highly satisfactory to know the time required, to reduce it to the state to be used as manure.

Yours very respectfully. Petersburg, April 11th, 1820.

Note.-To the above queries, from an esteemed correspondent, the Editor requests an answer.

Edit. Am. Far.

From the Boston Daily Advertiser.

On the Cotton Trade.

This article strikingly exemplifies the progress

production of our country, through its consequences upon the condition of man, from the labourer who plants, to the labourer who manufactures and who avails of the economy of its use, till it would appear to be one of the greatest blessings.

contained in an equal number of divisions in any other form, within any given space; and it strikes us that the form of the yellow gourd seed corn grain, approaches nearer than any other to the shape of the cells of the shoney-comb. The letter from Col. Taylor, is picked out from amongst a series from him to George W. Jeffers, Esq., and published before we are prepared to give the rest; because the time is at hand for the farmer to choose his seed corn. We are still of opinion, that the man who is doomed by necessity, or by want of skill, or by indolence of mind or body to till poor that the man who is doomed by necessity, or by want of skill, or by indolence of mind or body to till poor land, ought not to choose the yellow gourd seed.

Edit. Am. Far.

Comparing it with Tobacco, if this superfluity could occupy so many hands—employ so many ships—become an article of indispensations, which being adopted into five supplementation of making the experiment expect of Cotton, which being adopted into my farm, consisting almost entirely of a stiff, use can never be supplanted—sheep's wool derably exhausted by bad cultivation, before I duct, and can never resume its ascendency—it purchased it, and now stands in need of all may become dearer—it may be used by the assistance I can give it. I find upon close—more opulent—but the great mass of mankind by examining the essay, that although the writer will use cotton—already it has assumed a thou-Comparing it with Tobacco, if this superflui-

sand shapes. Soon it will cease to be mixed with the size of a large newspaper, and folded so as to wool; and the exterior as well as interior parts make eight pages-and to admit of being con-who may have the goodness to give the precedof dress will be of this material-and however veniently bound up and preserved in volumes, ing notice a few weekly insertions, the Editor encouraging the prospect may be for our south-Each volume will consist of fifty-two numbers, of the Farmer will be glad to transact any busiern brethren, it is not less so to the naviga-a title page and an index-and numerous En-ness they may have in Baltimore, or to return tion of the northern states.

THE FARMER.

BALTIMORE, FRIDAY, APRIL 21, 1820.

The Revolution in Spain is effected-The constitution of the Cortes of 1812 is established, and a general amnesty proclaimed-the Prisons of the Inquisition are thrown open and their victims released.

FINE FRUIT.

In proof that the climate and soil, in the neighbour-ber shall have been received. hood of Baltimore, is well adapted to the growth of fine fruit, we are permitted to publish the following ex-

may not have reached you, that the 2nd part of on a comparison of their actual contents, one LARD, 10 to 11 cts.

the 3rd Vol. of the transactions of the Horticul-page of the American Farmer, will be found The prices of marketing, same as last report. sent year, has in it the following paragraph, at moirs of the Agricultural Society of Philadelphia, and the four volumes of that page 120. "At this meeting, (Dec. 12th, 1817) LADELPHIA," and the four volumes of that palarge apple, raised in the garden of Mr. Smith, triotic, and exceedingly valuable work, sell for ground—so much so, as in some instances to make near the city of Baltimore, in America, was \$12.—Of the quality of its contents the Ediexhibited; it had been recently imported, (with tor of the Farmer could not speak with proprie-part gradually inclining to the right, turns the furrow others) into Liverpool, by Capt. George Hob-ty, if it did not so happen, that he has little oc-completely over; and the handles being long, gives the son, of the Belvidera of Baltimore; who sent casion and less leisure to write for it. His ploughman great power in working through hard and it to Sir Joseph Banks, by whom it was pre-agency consists, chiefly, in collecting and arsented to the Society. This apple, of which ranging the materials. If, however, proof were an engraving accompanies this account, weigh-required of its tendency to promote improveed 1 lb. 71 oz. it measured in circumference ments in every branch of rural economy, by I foot $2\frac{3}{4}$ inches, and in height as it stood, was those who may never have seen the work, it four inches; it proved very good, though over would be sufficient to make reference to the ripe; it was very close at the core, and if a first volume, where it will be seen that it congood bearer, will deserve general cultivation. tains essays on every department of Husbandry, The drawing is coloured, and very interesting .- from the pens and under the proper names of In the lists of presents to the Society, given at those eminent citizens in the different states, who the close of part 1st of this volume, we also are most distinguished in the annals of agriculread, that Wm. Bullock, Esq. F. L. S. gave a ture and other sciences. model of the Baltimore apple in wax!"

All gentlemen who fe

of Robert Smith, Esq. where we are authorized to state, and conducted on this plan, are requested to cuttings may be had for grafting.

The first number of the AMERICAN FARMER.

The first number of the AMERICAN FARMER.

MER was issued on the 2d of April, 1819. It may now be announced as an established National Work, adopted to all the varieties of our climate, since many of the most owner.

An allowance of ten per cent will be a long to the most owner. our climate, since many of the most eminent when claimed, on all monies received for, and patronage and their pens, to its circulation and A few of the first vol its usefulness. Every subscriber, therefore, plough what soil or breathe in what latitude he hand for sale. may, will find in the Farmer, essays detailing experiment and conveying information suited to lina, Georgia and Virginia, generally, will be his particular condition and pursuits.

To make known all discoveries in the science. and all improvements in the practice of AGRI-Bank of Chilicothe will be received at par, and and to develope the means of INTERNAL IM-PROVEMENTS generally, constitute the chief objects to which the AMERICAN FARMER is devoted. It takes no serious of the count of not more than ten per cent. is devoted. It takes no concern or interest in party politics, nor in the transient occurrences of the day.

The Farmer is published, weekly, on a sheet April 3, 1821.

GRAVINGS to represent new Implements, and their good offices in any other way in his power. approved Systems of Husbandry.

Each number gives a true and accurate state-

lars, the actual receipt of every number is gua-Feathers, 50 to 62½.

Virginia Tobacco, thirteen hogsheads, new crop, sold the present week for \$6 50 to \$6 75—Maryland hand, duplicates shall be sent until every num
Tobacco, broad leaf, wagon, selling from \$10 to \$17.

fine fruit, we are permitted to publish the following extract from a letter, from Benj. Voughan, Esquire, dated, Hallowell, Maine, May 10th, 1819, to Col. J. S. Smith of this city.

"I have the pleasure to inform, as the work may not have reached you, that the 2nd part of on a comparison of their actual contents, one of the reached the subscription money miscarry, he \$1 50—Turpentine, soft \$2 50 to \$2 50—Spirits that \$2 50 to \$2 50—Spirits to \$2 50—Spirits the dot. 33 cts.—Pitch, \$2 50—Rosin, \$1 75 to \$2—Spirits the dot. 33 cts.—Pitch, \$2 50—Rosin, \$1 75 to \$2 50—Rosin, ture Society of London, published in the pre-to contain as much as four pages of the " ME-

All gentlemen who feel an interest in the cir-Nors .- The apple here spoken of, grew on the farm culation of a Journal devoted to these objects, transmit the names of subscribers-but pr in To the Cultivators of the Soil. all cases the money must be remitted before the haper can be sent. It will, however, be return-

A few of the first volume, either in sheets or well bound, with a copious Index, remain on

Notes of the Banks of North and South Caroreceived at par. From subscribers residing in the states of Ohio and Kentucky, notes of the

JOHN S. SKINNER,

Baltimore.

P. S .- For all Editors in the United States,

Present Prices of Country Produce in this Market.

ment of the then selling prices of country produce, live stock, and all the principle articles brought for sale in the Baltimore market.

Terms of subscription \$4 per annum to be haid in advance. But for the sum of Five Dol-Lead, \$4 25—American do. \$3 75—Boiled Oil, \$1 37] Actual sales of WHEAT-RED, per bushel \$1 to \$12

Patuxent, no sales that we have heard of, \$6 & \$6 50 As the Editor takes the risk and cost of the offered for good quality .- North Carolina Staples, TAR,



ount of not more than ten per cent.

The Editor has seen this plough at work, which is All communications to be addressed to made and sold by Robert Sinclair, in Pratt Street For ease, beauty and execution, it is certainly equal to

PUBLISHED BY JOHN S. SKINNER.